

### REST AVAILABLE COPY

In Re Patent Application
WACHTFOGEL et al. - NDS Technologies Israel Ltd.
ADVANCED TELEVISION SYSTEM
SN 09/515,118; Filed February 24, 2000

PATENT 78746 GTS/cb

June 21, 2000

JUN 2 3 2000

Information Disclosure Statement; Form PTO -1449; Cited Before Cost, Postcard

Assistant Commissioner for Patents

Sir.

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Respectfully submitted,

WELSH & KATZ, LTD.



#### N THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application Of

Wachtfogel et al.

Serial No.:

09/515,118

Filing Date:

February 28, 2000

For: ADVANCED TELEVISION SYSTEM

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents / Washington, DC 20231, on this date

Date: June 21, 2000

Gerald T. Shekleton, Reg. No. 27,466

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application. The listed Documents are US patents, foreign patents and other cited documents and are enclosed herewith.

Documents for which the supplied date of publication lists the year of publication without the month were published sufficiently earlier than the effective U.S. filing date and any foreign priority date, so that the particular month of publication is not in issue. Pursuant to §609 of the MPEP, it is understood that the month of publication is not required when the particular month of publication is not in issue.

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Serial No. 09/515,118

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Gerald T. Shekleton

Registration No. 27,466

Dated: <u>June 21, 2000</u>

Welsh & Katz, Ltd.

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Telephone: 312/655-1500

Chicago, Illinois 60606





#### U.S. Department of Commerce Patent and Trademark Office

Serial No. 09/515,118 Attorney Docket No. 78746 Applicant Wachtfogel et al Filing Date February 24, 2000 Group No. 2713

#### INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

		U.	S. PATENT DOCUMENTS				
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing D If Appro	
	4,080,626	03/1978	Hurst et al.				
	4,272,787	06/1981	Michael et al.				
	4,488,179	12/1984	Kruger et al.				
	4,706,121	11/1987	Young				
·	4,768,095	08/1988	Wada et al.				
	4,774,582	09/1988	Hakamada et al.				
	4,777,531	10/1988	Hakamada et al.				
	4,924,732	05/1990	Hoskins et al.				
	5,038,211	09/1991	Hallenbeck				
		FOR	EIGN PATENT DOCUMENTS	, <b>J</b> .,		·	•
					<u> </u>		lation
	Document Number	Date	Country	Class	Subclass	Yes	No
	2210526	06/1989	GB				
	96/33579	10/1996	WO				
	96/37058	11/1996	WO				
	97/27705	07/1997	wo				
			ncluding Author, Title, Date, Perti		itc.)		
	www.raleigh.ibm.com	n/iagptc2.htm					
-	May 1998		pack: A Collection of Papers R				
	Karin Petersen, Tcl. Symposium Proceed		ersonal Digital Assistant, Octo pp41-55,	ober 1994, U	senix, Very	High Lan	guage
	1998, Source: Applic	ations TC	, Bethesda, Applications for H				
			WWW Browsers, 1995, Compu	ter Networks	and ISDN S	Systems,	Vol. 2
-	Matsukura et al., M October 1995, IEICE	ultimedia N	otebook: Information Capturin nun., Vol. E78-B. NO. 10, pp.138	<b>g Technolog</b> 1-1385	ies for Porta	able Com	puter
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Examiner

**Date Considered** 

\*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





U.S. Department of Commerce Patent and Trademark Office Attorney Docket No.
78746

Applicant
Wachtfogel et al
Filing Date
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Serial No.
99/515,118

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2713

## INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

applicant.

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing 1	Date opriate
· · ·	5,046,093	09/1991	Wachob				
	5,189,517	02/1993	Ohara				
	5,191,423	03/1993	Yoshida				
	5,323,240	06/1994	Amano et al.			-	
	5,390,027	02/1995	Henmi et al.				
	5,396,545	03/1975	Nair et al.				
	5,410,326	04/1995	Goldstein				
	5,410,344	04/1995	Graves et al.				
		FORI	EIGN PATENT DOCUMENTS		I	<u>!</u>	
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	Document Number	Date	Country	Class	Subclass	Yes	No
	97/29592	08/1997	WO .				
	97/48230	12/1997	WO				
	97/50250	12/1997	WO				
	98/16062	04/1998	WO				
	99/03275	01/1999	WO				-
L	OTHER DO	CUMENTS (II	ncluding Author, Title, Date, Pertine	nt Pages, E	tc.)	1	
	Kato et al., A Porta	ble Commun	nication Terminal for Novices an E78-B. NO. 10, pp.1387-1393	d its User	Interface So	oftware,	Octobe
-		ding the Sec	cond Interaction Metaphor in a Re	eal 3D Virte	ual Environn	nent, 199	5, SPI
	* *		ts: Spiders, Wanderers, Brokers,	<b>'Bots</b> , 1996	6, pp. 4-35,38	7-390	
	EJ Persoon, Smash-	A Concept	for Advanced Use of Storage in th	e Home, XI	P-002117666		
	MP Ceccarelli, Metac	lata for Broa	dcasting, February 1998, MPEG-7	Workshop	ACM9, Bruss	els	
	IBM Corporation Hon	ne Page, <i>Int</i> e	elligent Agents, www.raleigh.ibm.co	m/iag/iagho	me.html		
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U.S. Department of Commerce Patent and Trademark Office

Serial No. 09/515,118 Attorney Docket No. 78746 Applicant Wachtfogel et al Filing Date Group No.

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		U.	S. PATENT DOCUME	NTS				
Examiner nitial*	Document Number	Date	Name	· C	Class	Subclass	Filing I	Date opriate
	5,436,676	07/1995	Pint et al.					
	5,444,499	08/1995	Saitoh					<del></del>
	5,446,488	09/1995	Vogel					
	5,465,113	11/1995	Gilboy					
	5,481,752	01/1996	Suzuki et al.					
	5,483,278	01/1996	Strubbe et al.			<u> </u>		
	5,488,571	01/1996	Jacobs et al.					
	5,515,106	05/1996	Chaney et al.					
	5,517,187	05/1996	Bruwer et al.					
		FORI	EIGN PATENT DOCU	MENTS			<u> </u>	
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	Document Number 99/03275	Date 01/1999	WO	у С	lass	Subclass	Yes	No
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Sheet 4 of 8 U.S. Department of Commerce Attorney Docket No. Serial No. Form PTO-1449 <sup>09</sup>/515,118 Patent and Trademark Office 78746 (Rev. 8-88) Applicant INFORMATION DISCLOSURE STATEMENT Wachtfogel et al (Use several sheets if necessary) Group No. Filing Date February 24, 2000 2713 **U.S. PATENT DOCUMENTS** Filing Date Examiner Subclass If Appropriate Initial\* **Document Number** Date Name Class 05/1996 5,519,448 Nagasawa et al. 06/1996 Roach, Jr. et al. 5,526,401 Garfinkle 06/1996 5,530,469 07/1996 Jacobs et al. 5,535,147 07/1996 Blahut et al. 5,539,449 5,556,107 09/1996 Carter Remillard 10/1996 5,561,708 10/1996 Remillard 5,561,709 Saitoh 5,564,088 10/1996 FOREIGN PATENT DOCUMENTS

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Form	PTO-1449
(Rev.	8-88)

#### U.S. Department of Commerce Patent and Trademark Office

Attorney Docket No.
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Applicant
Wachtfogel et al

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#### U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing I	Date opriate
	5,566,069	10/1996	Clark, Jr. et al.				
.	5,583,560	12/1996	Florin et al.				
	5,585,865	12/1996	Amano et al.				
	5,585,858	12/1996	Harper et al				
	5,619,250	04/1997	McClellan et al.				
	5,619,251	04/1997	Kuroiwa et al.				
	5,621,473	04/1997	Hill				
	5,621,456	04/1997	Florin et al.				
	5,623,690	04/1997	Palmer et al.				
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citation if not in conformance and not considered. Include copy of this form with next communication to



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Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	5,629,733	05/1997	Youman et al.			
	5,635,978	06/1997	Alten et al.			
	5,635,989	06/1997	Rothmuller			
	5,654,747	08/1997	Ottesen et al.			
	5,657,072	08/1997	Aristides et al.			
	5,666,645	09/1997	Thomas			
	5,671,226	09/1997	Murakami etal.		-	
	5,675,390	10/1997	Schindler et al.			
	5,675,524	10/1997	Bernard			
	L	FORI	EIGN PATENT DOCUMENTS	<u> </u>		
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U.S. Department of Commerce Patent and Trademark Office Attorney Docket No.

Serial No. 09/515,118

Document Number 5,701,383	if necessary	·)	Applicant Wachtfogel e Filing Date February 24,		Grou 2713	p No.	
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	T	S. PATENT DOCUME	NTS				
	Date	Name		Class	Subclass	Filing D	
	12/1997	Russo et al.					
5,708,840	01/1998	Kikinis et al.					
5,721,815	02/1998	Ottesen et al.		.,,			,
5,721,878	02/1998	Ottesen et al.					
5,727,060	03/1998	Young					
5,728,998	03/1998	Novis et al.			:		
5,737,527	04/1998	Shiels et al.					
5,751,883	05/1998	Ottesen et al.					
5,752,244	05/1998	Rose et al.					
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Form PTO-14 (Rev. 8-88)	ent of Commerce ademark Office	Attorney Docket No. Serial I 78746 Serial I 09/515,						
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			S. PATENT DOCUME			12.		
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Initial*	Document Number	Date 05/1998	Ozden Name	e 	Class	Subclass	If Appr	opriate
	5,754,773	03/1990	Ozden					
	5,760,821	06/1998	Ellis et al.					
	5,767,893	06/1998	Chen et al.					
	5,767,896	06/1998	Nemirofsky					
	5,774,186	06/1998	Brodsky	<u>, , , , , , , , , , , , , , , , , , , </u>				
	5,710,605	01/1998	Nelson					
	Des 328,878	08/1997	Erlin	-				
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applicant.



**PATENT** 

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In Re Patent Application

Wachfogel, et al.,.

Advanced Felevision System
Serial No. 0 9/515,118

Filed: February 28,2000

Information Disclosure Statement; Form PTO-1449; Cited References; and Certificate of Mailing

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Filing Date:

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For: ADVANCED TELEVISION SYSTEM

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Serial No. 09/515.118

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Respectfully submitted,

WELSH & KATZ, LTD.

Gerald T. Shekleton

Registration No. 27,466

Dated: July 5, 2000 Welsh & Katz, Ltd.

120 South Riverside Plaza, 22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500

Form PTO-1449 (Rev. 8-88)	) U.	U.S. Department of Commerce Patent and Trademark Office			Attorney Docket No. 78746			
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		U.S	S. PATENT DOCUME	NTS				
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fin Re Patent Application Wachfogel, et.al.,. Advanced Television System Serial No. 09/515,118 PATENT

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78746 PATENT

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Applicant:	Wachtfogel,et.al.,	)
Serial No.:	09/515,118	) with the United States Postal Service as first class mail ) in an envelope addressed to: Assistant Commissioner
Filed:	February 28, 2000	) for Patents / Washington DC 20231 on this date
For:	ADVANCED TELEVISION	) August 9 2000 - CTUTE ALLS ) [date] Gerald T Shekleton
	SYSTEM	) Registration: No. 27, 466 ) Attorney for Applicant(s)

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

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By

Gerald T. Shekleton Registration No. 27,466

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Telephone: 312/655-1500

(Rev. 5/92) Comparable to		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No.		Serial No.		
Form PTO-1449	-1449		78746		09/515,118			
	RMATION DISCLOSURE (Use several sheets if necess							
				Applicants Wachtfogel,et.al.,				
				Filing Date February 28, 2000		Group		
			U.S. PATEN	T DOCUMENTS				
*Examiner Initial	Document Number	Date		Name	Class	Subclass	Filing If Appr	
A	5,986,692	11/16/1999	SYSTEMS . COMPUTE MONITORI	AND METHODS FOR R ENHANCED BROADCAST NG				
	5,892,536	04/06/1999	SYSTEMS COMPUTE	AND METHODS FOR R ENHANCED BROADCAST ING				
	5,371,551	12/06/1994	TIME DELAYED DIGITAL VIDEO SYSTEM USING CONCURRENT RECORDING AND PLAYBACK					
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Examiner				Date Considered				
*Examiner:	Initial if citation considered	i, whether or not	citation is in c	onformance with MPEP 609; draw	line through	n citation if not in	conformanc	e and not



In Re Patent Application
NACHTFOGEL et al. - NDS Technologies Israel Ltd.
ADVANCED TELEVISION SYSTEM
N 09/515,118; Filed February 24, 2000

PATENT 78746 GTS/cb December 19, 2000

Supplemental Information Disclosure Statement; Form PTO -1449; Cited Reference; Postcard and Certificate of Mailing

Assistant Commissioner for Patents

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Respectfully submitted,

WELSH & KATZ, LTD.



**PATENT** 

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application Of

Wachtfogel et al.

Serial No.:

09/515,118

Filing Date:

February 28, 2000

For: ADVANCED TELEVISION SYSTEM

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents / Washington, DC 20231, on this date

Date: December 19, 2000

Gerald T Shekleton Reg No 27 466

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application. The listed Document is an article and is enclosed herewith.

Documents for which the supplied date of publication lists the year of publication without the month were published sufficiently earlier than the effective U.S. filing date and any foreign priority date, so that the particular month of publication is not in issue. Pursuant to §609 of the MPEP, it is understood that the month of publication is not required when the particular month of publication is not in issue.

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Serial No. 09/515,118

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that the art or document disclosure is necessarily prior in time to a particular date which may be relevant

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art as defined by the patent law with respect to the instant invention and application.

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art could not possibly be in existence.

Respectfully submitted,

WELSH & KATZ, LTD.

Id To Shekler

Gerald T. Shekleton

Registration No. 27,466

Dated: December 19, 2000

Welsh & Katz, Ltd.

120 South Riverside Plaza, 22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500



February 24, 2000

Form PTO-1449

(Rev. 8-88)

U.S. Department of Commerce Patent and Trademark Office

Attorney Docket No. 78746 Serial No. <sup>09</sup>/515,118 Applicant Wachtfogel et al Filing Date Group No.

2713

#### INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

Examiner			1	S. PATENT DOCUMENTS		T	Filing D	ate	
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Examiner	<u> </u>	1		Date Considered					
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\*Examiner:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



In Re Patent Application

Wachfogel,et.al.,

**Advanced Television System** 

Serial NO: 09/515,118

Filed: February 28, 2000

78746 GTS/RP February 22, 2001

Information Disclosure Statement; PTO Form 1449; Cited References; Applificate of Mailing and Postcard

Assistant Commissioner for Patents

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Respectfully submitted,

WELSH & KATZ, LTD.

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Pa	tent Application	) Art Unit: 2713
Applicant:	Wachtfogel,et.al.	)  I hereby certify that this  correspondence is being deposited
Serial No.:	09/515,118	) with the United Postal Service as
Filed:	February 28, 2000	) first class mail in an envelope ) addressed to: Assistant ) Commissioner of Patents,
For:	ADVANCED TELEVISION SYSTEM	) Washington, DC 20231, on ) <u>February 22, 2001</u>
		)

#### INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

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Respectfully submitted,

Gerald T. Shekleton

Registration No. 27,466

Dated: February 22, 2001

Enclosures:

WELSH & KATZ, LTD.

120 South Riverside Plaza

22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500

Sheet 1 of 1 U.S. Department of Commerce Atty. Docket No. Serial No. (Rev. 5/92) Comparable to Patent and Trademark Office Form PTO-1449 78746 09/515,118 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Applicants Wachtfogetl,et.al., Filing Date Group 2713 February 28, 2001 U.S. PATENT DOCUMENTS Filing Date \*Examiner Class Subclass If Appropriate Initial Document Number Date Name 05/1998 Herz, et.al. Α 5,578,257 Dimitriadis,et.al. 09/1997 5,664,948 FOREIGN PATENT DOCUMENTS Translation Class Subclass Date Country Document Number Yes No Abs. WO 97/17774 5/1997 PCT Abs. WO 98/37696 8/1998 **PCT** Abs. WO 98/28869 7/1998 PCT OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Date Considered Examiner Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

\*Examiner:



In Re Patent Application

Wachfogel,et.al.,

**Advanced Television System** 

Filed: February 28, 2000

Substitute Information Disclosure Statement; PTO Form 1449; Conflicate of Oat

Postcard

Assistant Commissioner for Patents

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PATENT 78746 GTS/RP

February 28, 2001

**PATENT** 

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In Re U.S. Pat	ent Application	) Art Unit: 2713
Applicant:	Wachtfogel,et.al.	) ) I hereby certify that this ) correspondence is being deposited
Serial No.:	09/515,118	) with the United Postal Service as ) first class mail in an envelope
Filed:	February 28, 2000	) addressed to: Assistant ) Commissioner of Patents,
For:	ADVANCED TELEVISION SYSTEM	) Washington, DC 20231, on ) <u>February 28, 2001</u>
		Reg. No. 27,466

### SUBSTITUTE INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application. The documents referred to therein have been previously submitted.

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Respectfully submitted,

Gerald T. Shekleton

Registration No. 27,466

Dated: February 28, 2001

**Enclosures:** 

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22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500

(Rev. 5/92) Comparable to	_	U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No.		Serial No.			
Form PTO-1449					78746		09/515,118			
	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)									
	(		,		Applicants Wachtfogetl,et.al.,					
					Filing Date February 28, 2001		Group 2713			
				U.S. PATEN	IT DOCUMENTS					
*Examiner Initial	<u>.</u>	Document Number	Date		Name	Class	Subclass	Filing If Appro		
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In Re Patent Application

Wachfogel,et.al.,

**Advanced Television System** 

Filed: February 28, 2000

PATENT 78746 GTS/RP

May 30, 2001

Serial NO: 09/515,118 Supplemental Information Disclosure Statement; PTO Form 1449; Cited Reference;

Cerlificate of Mailing and Postcard

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Applicant:	Wachtfogel,et.al.,	) I hereby certify that this paper is being deposited with the United States Postal Service as first class mail
Serial No.:	09/515,118	) in an envelope addressed to: Assistant Commissioner () for Patents (Washington DC 20231 on this date:
Filed:	February 28, 2000	) May 30, 2001 SQLIF XALLS
For:	ADVANCED TELEVISION SYSTEM	) [date] Gerald T. Shekleton; ) Registration No. 27,466 ) Attorney for Applicant(s)

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application. Applicant avers that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent in a counterpart foreign application, and to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the information disclosure statement.

Documents for which the supplied date of publication lists the year of publication without the month were published sufficiently earlier than the effective U.S. filing date and any foreign priority date, so that the particular month of publication is not in issue. Pursuant to §609 of the MPEP, it is understood that the month of publication is not required when the particular month of publication is not in issue.

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Respectfully submitted,

Bv

Gerald T. Shekleton

Registration No. 27,466

Dated: May 30, 2001

WELSH & KATZ, LTD.

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22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500

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(Rev. 5/92) Comparable to Form PTO-144		Patent and Trademark Office			Atty. Docket No.		Serial No. 09/515,	118	
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					Filing Date February 28, 2001		Group 2713		
				U.S. PATEN	IT DOCUMENTS				
*Examiner Initial		Document Number	Date		Name	Class	Subclass		g Date ropriate
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		EP 0 847 156		Europe				Abs.	
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*Examiner:		itial if citation considered,			nformance with MPEP 609; dr	aw line through	citation if not in	conformance	and not



In Re Patent Application Wachfogel,et.al.,

**Advanced Television System** 

Filed: February 28, 2000

December 17, 2001

Preliminary Amendment; Supplemental Information Disclosure Statement; PTO Form Serial NO: 09/515,118 1449; Cited Reference; Certificate of Mailing and Postcard

Commissioner for Patents

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Respectfully submitted,

WELSH & KATZ, LTD.

PATENT 78746 GTS/RP

78746 **PATENT** IN THE UNITED STATES PATENT AND TRADEMARK OFFICE Art Unit: 2713 In Re U.S. Patent Application I hereby certify that this correspondence is Wachtfogel, et al. Applicant: being deposited with the United Postal Service as first class mail in an envelope addressed to: 09/515,118 Serial No.: Commissioner of Patents, Washington, DC 20231, on December 17, 2001 Filed: February 24, 2000 TELEVISION For: ADVANCED Gerald T. Shekleton **SYSTEM** Reg. No. 27,466

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Not Assigned

Sir:

Examiner:

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Gerald T. Shekleton Registration No. 27,466

o lead T. Shelston

Dated: December 17, 2001

**Enclosures:** 

WELSH & KATZ, LTD.

120 South Riverside Plaza

22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500

PTO/SB/08A & PTO/SB/08B (10-01)
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10/24/2001 W&K Substitute for Form PTO-SB/08A, which is a US PTO			ich is a US PTO	Com	Complete if Known		
Substitute for form 1449A/PTO and 1449B/PTO				Application Number	09/515,118		
INFORMATION DISCLOSURE				Filing Date	February 24, 2000		
				First Named Inventor	WACHTFOGEL, et al.		
SIAI	EMENT BY	APF	LICANI	Art Unit	2713		
	(use as many sheets as necessary)			Examiner Name	Not Assigned		
Sheet	1	of	1	Attorney Docket Number	7251/78746		

		OTHER ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	publisher, city and/or country where published.						
	1	M.P. CECCARELLI; Metadata for Broadcasting; Philips Research (NL);						
	2	ERIC H.J. PERSOON; SMASH- a concept for advanced use of storage in the home; Philips Research Laboratories						
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Examiner	Date	
Signature	Considered	

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



In Re Patent Application Wachfogel, et al., **Advanced Television System** 

78746 GTS/RP

January 28, 2002

Serial No: 09/515,118 Filed: February 28, 2000 January 28, 2000 Information Disclosure Statement; Form PTO 1449; Cited References; Certificate of Mailing and Postcard

Commissioner for Patents

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Applicant:	Wachogel, et al.	<b>;</b>	) I hereby certify that this correspondence is being deposited with the United Postal Service
Serial No.:	09/515,118	;	as first class mail in an envelope addressed to: Commissioner of Patents, Washington, DC
Filed:	February 28, 2000		2 20231, on <u>January 28, 2002</u>
For:	ADVANCED SYSTEM	TELEVISION	Gerald T. Shekleton Reg. No. 27,466
Examiner:	Not Assigned		)

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Documents for which the supplied date of publication lists the year of publication without the month were published sufficiently earlier than the effective U.S. filing date and any foreign priority date, so that the particular month of publication is not in issue. Pursuant to §609 of the MPEP, it is understood that the month of publication is not required when the particular month of publication is not in issue.

No inferences should be drawn that the attached list represents a comprehensive investigation, or that any material disclosed is equivalent to the subject invention. In addition, none of the documents that have publication dates prior to the priority date of the above application anticipate the invention in this application.

The cited document(s) disclose numerous specific features. There has been no attempt to

list each and every feature disclosed by each document. The Examiner is requested to review the

document(s) and determine the extent of the materiality of the document disclosures with respect to

the present invention.

The discussion of any art and the citation of any document(s) herein is not to be construed

as an admission that the art or document disclosure is necessarily within the invention field of

endeavor, that the art or document disclosure is necessarily prior in time to a particular date which

may be relevant to the instant patent application, and/or that the art or document disclosure is

otherwise necessarily prior art as defined by the patent law with respect to the instant invention and

application.

Also, there is reserved the right to later set forth how the instant invention is distinguished

over the disclosure of any document or other art, including the disclosures of the art and

document(s) recited herein, that may be cited by the Examiner in rejecting a claim in the instant

patent application. The recitation herein of the art and document(s) is not to be construed as an

assertion that more pertinent art could not possibly be in existence.

Respectfully submitted,

Gerald T. Shekleton

Registration No. 27,466

Dated: January 28, 2002

Enclosures: Cited References

WELSH & KATZ, LTD.

120 South Riverside Plaza

22nd Floor

Chicago, Illinois 60606

Telephone: 312/655-1500



PTO/SB/08A & PTO/SB/08B (10-01)
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	8K Substitute for Form		ich is a US PTO	Complete if Known		
Substitute for form 1449A/PTO and 1449B/PTO				Application Number	09/515,118	
INFO	RMATION	v DISCI	OSURE	Filing Date	February 28, 2000	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	WACHFOGEL, et al.	
				Art Unit	2713	
(use as many sheets as necessary)			necessary)	Examiner Name		
Sheet	1	of	3	Attorney Docket Number	78746	

		,	U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,341,833	09/12/1967	Jones	
		US-3,645,539	02/29/1972	Jenkins	
•		US-3,682,363	08/08/1972	Hull .	
		US-4,283,735	08/11/1981	Jagger	
		US-4,319,286	03/09/1982	Hanpachern	
		US-4,408,309	10/04/1983	Kiesling, et al.	
		US-4,430,676	02/07/1984	Johnson	
		US-4,445,195	04/24/1984	Yamamoto	
***************************************		US-4,530,048	07/16/1985	Proper	
<del></del>		US-4,633,331	12/30/1986	McGrady, et al.	
		US-4,706,121	11/10/1987	Young	
		US-4,876,670	10/24/1989	Nakabayashi, et al.	
<del></del>		US-4,885,775	12/05/1989	Lucas	
***************************************		US-4,891,715	01/02/1990	Levy	
**************************************		US-4,908,713	03/13/1990	Levine	
***************************************		US-4,963,886	10/16/1990	Duncan	
		US-4,963,994	10/16/1990	Levine	
***************************************		US-4,963,995	10/16/1990	Lang	
		US-4,977,455	12/11/1990	Young	
		US-4,991,033	02/05/1991	Takeshita	
\$ to at		US-5,021,893	06/04/1991	Scheffler	
		US-5,038,211	. 08/06/1991	Hallenbeck	
		US-5,063,453	11/05/1991	Yoshimura, et al.	**************************************
		US-4,151,789	09/29/1992	Young	**************************************
		US-5,241,428	08/31/1993	Goldwasser, et al.	C
		US-5,293,357	03/08/1994	Hallenbeck	
		US-5,371,551	12/06/1994	Logan, et al.	
		US-5,390,027	02/14/1995	Henmi, et al.	
		US-5,440,336	08/08/1995	Buhro,et al.	
		US-5,477,262	12/19/1995	Banker, et al.	
		US-5,479,302	12/26/1995	Haines	
		US-5,508,815	04/16/1996	Levine	
**************************************		US-5,508,940	04/16/1996	Rossmere, et al.	
	***************************************	US-5,557,538	09/17/1996	Retter, et al.	
		US-5,568,272	10/22/1996	Levine	
		US-5,703,997	12/30/1997	Kitamura, et al.	

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	Examiner	Date	
	Signature	Considered	1

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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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10/24/2001 W	BK Substitute for Form PTO-SE	3/08A, wh	ich is a US PTO	Complete if Known		
Substitute for form 1449A/PTO and 1449B/PTO				Application Number	09/515,118	
INEO	DMATION D	ופרו	OSURE	Filing Date	February 28, 2000	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	WACHFOGEL, et al.	
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Sheet	2	of	3	Attorney Docket Number	78746	

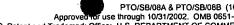
US-5,717,814	02/10/1998	Abecassis	
US-5,977,964	11/02/1999	Williams, et al.	
US-6,324,338	11/27/2001	Wood, et al.	

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document Country Code <sup>3</sup> Number Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	1e				
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Sheet	3	of	3	Attorney Docket Number	78746	

	T	OTHER ART - NON PATENT LITERATURE DOCUMENTS	Т
Examiner nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Ţŧ
		KAGEYAMA et al.; A FREE TIME-SHIFT DVD VIDEO RECORDER; Central Research Laboratory, Hitachi, Ltd.; 1997	
		ZHANG, et al.; Automatic partioning of a full-motion video; Multimedia Systems (1993) 1:10-28	
		ZHANG, et al.; Automatic parsing and indexing of news video; Multimedia Systems (1993) 2:256-266	
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In Re Patent Application

Wachfogel, et al.,

Advanced Television System

PATENT

78746

GTS/RP

February 4, 2002

Serial No: 09/515,118 Filed: February 28, 2000

Correspondence, Form PTO-1449; Certificate of Mailing and Postcard

Commissioner for Patents

Please acknowledge receipt of the above-identified documents by applying the Patent and Trademark

Office receipt hereto and mailing this card.

Respectfully submitted,

WELSH & KATZ, LTD.

**PATENT** 78746 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE In Re U.S. Patent Application Art Unit: 2713 Wachogel, et al. I hereby certify that this correspondence is Applicant: being deposited with the United Postal Service as first class mail in an envelope addressed to: Serial No.: 09/515,118 Commissioner of Patents, Washington, DC 20231, on February 4, 2002 Filed: February 28, 2000 **TELEVISION** For: ADVANCED **SYSTEM** Reg. No. 27,466 Not Assigned Examiner:

#### CORRESPONDENCE

Commissioner for Patents Washington, D.C. 20231

Sir:

Supplemental to the Information Disclosure Statement filed on January 28, 2002, applicant hereby submits the enclosed corrected Form PTO-1449 amending U.S. Patent No: 4,151,789 to 5,151,789.

Respectfully submitted,

Gerald T. Shekleton

Registration No. 27,466

Dated: February 4, 2002

Enclosures: Cited References

WELSH & KATZ, LTD. 120 South Riverside Plaza 22nd Floor Chicago, Illinois 60606 Telephone: 312/655-1500

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Complete if Known 10/24/2001 W&K Substitute for Form PTO-SB/08A, which is a US PTO Substitute for form 1449A/PTO and 1449B/PTO **Application Number** 09/515,118 February 28, 2000 WACHFOGEL, et al. Filing Date INFORMATION DISCLOSURE First Named Inventor STATEMENT BY APPLICANT Art Unit 2713 **Examiner Name** (use as many sheets as necessary) of 3 Attorney Docket Number 78746 Sheet

		<u> </u>	U.S. PATENT		
Examiner Initials*	Cite No.1	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US-3,682,363	08/08/1972	Hull	
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		US-5,063,453	11/05/1991	Yoshimura, et al.	
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Examiner	Date	
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10/24/2001 W	&K Substitute for For	m PTO-SR/08A wh	ich is a US PTO	Complete if Known		
	form 1449A/PTO and			Application Number	09/515,118	
INFORMATION DISCLOSURE				Filing Date	February 28, 2000	
STATEMENT BY APPLICANT  (use as many sheets as necessary)				First Named Inventor	WACHFOGEL, et al.	
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Sheet	2	of	3	Attorney Docket Number	78746	

US-5,717,814	02/10/1998	Abecassis	
 US-5,977,964	11/02/1999	Williams, et al.	
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		FOREIGN	N PATENT DOCUM	ENTS	_	
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Te
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				First Named Inventor	WACHFOGEL, et al.	
STAT	EMENT BY	APF	LICANI	Art Unit	2713	
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Sheet	3	of	3	Attorney Docket Number	78746	

OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Te				
		KAGEYAMA et al.; A FREE TIME-SHIFT DVD VIDEO RECORDER; Central Research Laboratory, Hitachi, Ltd.; 1997					
		ZHANG, et al.; Automatic partioning of a full-motion video; Multimedia Systems (1993) 1:10-28					
		ZHANG, et al.; Automatic parsing and indexing of news video; Multimedia Systems (1993) 2:256-266					
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In Re Patent Application

Wachfogel, et al.,

**Advanced Television System** 

78746 GTS/RP

May 14, 2002 Serial No: 09/515,118 Filed: February 28, 2000 Supplemental Information Disclosure Statement Fore PTO-1449; Cited References;

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Commissioner for Patents

Sir:
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Respectfully submitted,

WELSH & KATZ, LTD.

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In Re U.S. Pat	ent Application	,	)	Art Unit: 2713
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Applicant:	Wachogel, et al.	;	) \	I hereby certify that this correspondence is being deposited with the United Postal Service
Serial No.:	09/515,118	:	) )	as first class mail in an envelope addressed to: Commissioner of Patents, Washington, DC
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For:	ADVANCED	TELEVISION	)	Gude T. Shilles
	SYSTEM		)	Gerald T. Shekleton
			)	Reg. No. 27,466
Examiner:	Not Assigned		)	

#### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application. Listed documents are foreign patents and cited references that are discussed in the application, and are enclosed herewith.

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Gerald T. Shekleton

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PTO/SB/08A & PTO/SB/08B (10-01)
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10/24/2001 W&K Substitute for Form PTO-SB/08A, which is a US PTO Substitute for form 1449A/PTO and 1449B/PTO

INFORMATION DISCLOSURE

Complete if Known					
Application Number 09/515,118					
Filing Date	February 28, 2000				
First Named Inventor	WACHFOGEL, et al.				
Art Unit	2713				
Examiner Name					
Attorney Docket Number	78746				

(use as many sheets as necessary)
Sheet 1 of 2

STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS						
xaminer nitials*	Cite No.1	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		4,930,158	05/29/1990	Vogel		
		5,552,837	09/03/1996	Mankovitz		
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



PTO/SB/08A & PTO/SB/08B (10-01)
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INCOR	RMATION DI	eci	OSLIDE	Filing Date	February 28, 2000
				First Named Inventor	WACHFOGEL, et al.
STATE	EMENT BY A	APF	LICANI	Art Unit	2713
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Sheet	2	of	2	Attorney Docket Number	78746
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Cite No.1	Foreign Patent Document	FOREIGN PATENT DOCUMENTS  Examiner Cite Foreign Patent Document Publication Date Name of Patentee or Lines, Lines, Tree								
	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Lines, Where Relevant Passages or Relevant Figures Appear	T6					
	WO/97 06531	02/20/1997	Sony Corporation							
	WO/97 50250	12/31/1997	Vistar Telecommunications, INc.							
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		WO/97 06531 WO/97 50250	WOITTOOSS	WO/97 50250 12/31/1997 Vistar	WO/97 50250 12/31/1997 Vistar					

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PTO/SB/08A & PTO/SB/08B (10-01)
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Sheet	3	of	2	Attorney Docket Number	78746			

OTHER ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Te		
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# EUROPEAN SEARCH REPORT

**Application Number** EP 01 20 4250

		RED TO BE RELEVANT		
Category	Citation of document with In of relevant pass	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	WO 97 50250 A (BREI TELECOMMUNICATIONS 31 December 1997 (19 * page 3, line 5-18		1-12	G11B20/00 G11B27/10 H04N5/44
X	US 4 930 158 A (VOG 29 May 1990 (1990—0 * the whole documen	5–29)	1-12	
X V	US 5 552 837 A (MAN 3 September 1996 (1 * column 10, line 4	9 <b>96-09-</b> 03)	1-12	
X	(JP); FUJINAMI YASU 20 February 1997 (1	CORP ;KAWAMURA MAKOTO SHI (JP); HAAN WIEBE) 997-02-20) page 68, line 18 *	1-12	
				TECHNICAL FIELDS SEARCHED (INLCI.7)
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Y∶pa	ricularly relevant if taken alone ricularly relevant if combined with anot rimont of the same retenent	after the filing da her D : document cited i L : document cited i	n the application	
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# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 20 4250

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

14-02-2002

	Patent documer cited in search rep	• • •	Publication date		Patent fam member(s		Publication date
WO	9750250	A	31-12-1997	AU	3162497	Ā	14-01-1998
•	3	• •		WO	9750250		31-12-1997
				EP	0914744	7	12-05-1999
				ĴΡ	2000512463		19-09-2000
US	4930158	A	29-05-1990	AU	611710	B2:	20-06-1991
	•		. —	GB	2209417	A,B	10-05-1989
				GB	2209427	•	10-05-1989
				us			29-05-1990
US	5552837	A	03-09-1996	us	5559550	A	24-09-1996
WO	9706531	Α	20-02-1997	AU	714628	B2	06-01-2000
				AU	6630496	A	05-03-1997
				BR	9606567	A	30-12-1997
				CA	2200346	A1	20-02-1997
				CN	1213832	A	14-04-1999
				EP	0784848	A1	23-07-1997
				WO	9706531	A1	20-02-1997
	•			JP	9106631	A	22-04-1997



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Datum/Date

21.02.02

Zeichen/Ref./Réf. P01/222 Anmediung Nr./Application No./Demande n\*./Patent Nr./Patent No./Brevet no.

01204250.3-2202-

Anmelder/Applicani/Demandeur/Patentinhaber/Proprietor/Titulaire
NDS Limited

# COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

X abstract

X title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

1B

### REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





U.S. Patent Application

Welsh & Katz Ref. No: 7251/78746

Wachtfogel et al.

Serial No.: 09/515,118; Filed 24 Feb. 2000

11/13/2002

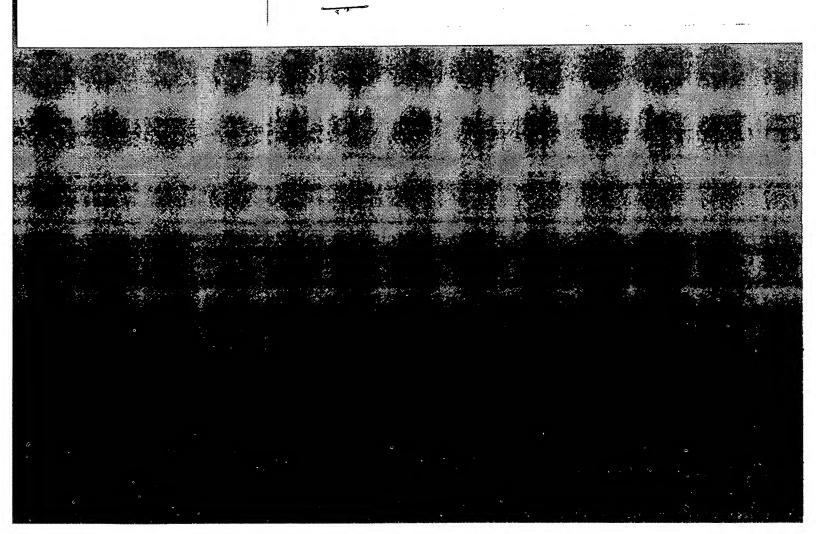
Advanced Television System 11/13/ Transmittal Form with Certificate of Mailing; Supplemental Preliminary Amendment; Information Disclosure Statement (2 pgs); Form PTO 1449; Copies of Listed Documents; Certificate of Mailing

Sir:

Please acknowledge receipt of the above-identified documents by applying the Patent and Trademark Office receipt hereto and mailing this card.

Respectfully, Welsh & Katz, Ltd.

LF:smm



# PATENT 7251/78746

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Wachtfogel et al.	)
Serial No.:	09/515,118	)
Filed:	24 February 2000	) I hereby certify that this paper is being deposited with the United States Postal Service as
For:	Advanced Television System	<ul> <li>U.S. First Class Mail in an envelope addressed to:</li> <li>Commissioner for Patents, Washington, DC 20231,</li> <li>on this date:</li> </ul>
Group No.:	2713	)  Sugarm M Mattingly  Date: 13 November 2002
Examiner:	Not Yet Known	Date: 13 Movember 2002 0 () )

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir or Madam:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants submit a list of documents, general remarks, an attached Form PTO-1449, and an enclosed copy of each of this listed documents.

U.S. Patent No.	Date of Issue	Patentee(s)
4,930,158	29 May 1990	Vogel
5,701,383	23 Dec. 1997	Russo et al.
EP Application No.	Date of Publication	
0 584 991 A2	2 Mar. 1994	

Other Publication

Ceccarelli, M.P.; "Metadata for Broadcasting" (MPEG-7 Workshop, XP-002117667, 1998)

Each of the above-listed publications was identified in a foreign search report in connection with a foreign application which is a counterpart to the captioned application. It is respectfully requested that they be given consideration by the Examiner and made of record in the captioned patent application. The foreign search report (sent on 15 October 2002 in connection with Application EP 02 00 0773) is enclosed.

Respectfully submitted,

WELSH & KATZ, LTD.

By

L. Friedman Reg. No. 37,135

13 November 2002 WELSH & KATZ, LTD. 120 South Riverside Plaza 22nd Floor Chicago, Illinois 60606 Phone: (312) 655-1500

Fax:

(312) 655-1501

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Form PTO-1449 (Rev. 8-88)	) U P	U.S. Department of Commerce Patent and Trademark Office  FORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		7251/78746	Attorney Docket No. 7251/78746  Applicant Wachtfogel et al.		Serial No. 09/515,118 Group No. 2713		
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Examiner Initial*	Document Number	Date		Name	Class	Subclass	If Appro	Filing Date If Appropriate	
	4,930,158	29 May 1990	Vogel						
	5,701,383	23 Dec. 1997	Russo et al.						
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		FOREIGN	PATENT DOC	UMENTS					
	Document Number	Date	C	ountry	Class	Subclass	Trans Yes	slation	
	0 584 991 A2	2 Mar. 1994	EP	Surin y	0.000				
	OTHER DO	CUMENTS (Includ	ling Author, Title	e, Date, Pertine	nt Pages, E	itc.)			
	Ceccarelli, M.P.; "Met	adata for Broadcas	sting" (MPEG-7	Workshop, XP 0	02117667,	1998)			
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Welsh & Katz Ref. No:

U.S. Patent Application

Applicant: Wachtfogel et al.

Serial No.: 09/515,118, Filed 02/24/2000

Express Mail No. EV 045459940 US

Supplemental Information Disclosure Statement (5 pgs) with certificate of mailing; Form PTO-1449 (4 pgs); copy of each listed document

Sir or Madam:

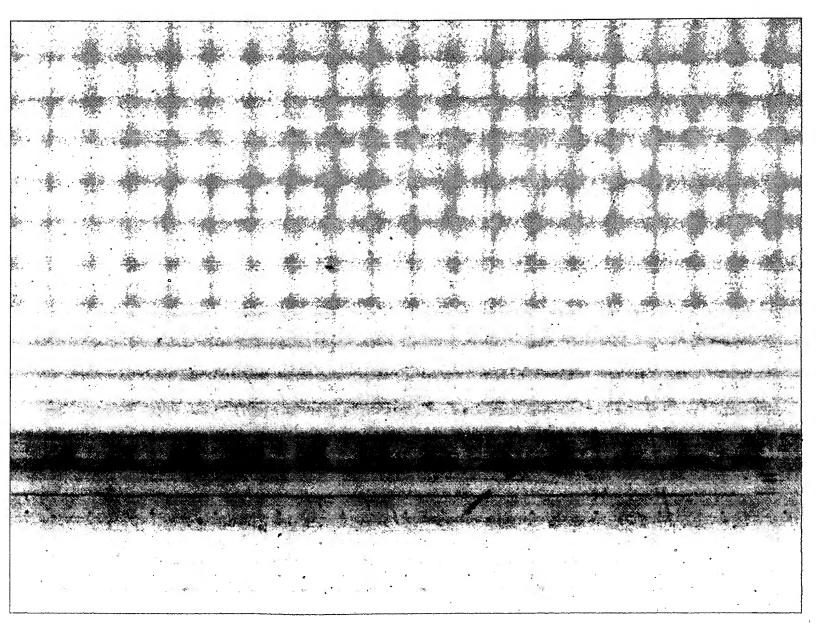
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Respectfully,

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Welsh & Katz, Ltd.





### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Wachtfogel et al.	)
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Filed:	24 February 2000	) I hereby certify that this paper is being deposited with the United States Postal Service as
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Examiner:	Not Yet Assigned	) Express Mail No. EV 045459940 05

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir or Madam:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants submit a list of documents, general remarks, an attached Form PTO-1449, and an enclosed copy of each listed document.

U.S. Patent No.	Date of Issue	Inventor
4,602,279	07/22/1986	Freeman
5,223,924	06/29/1993	Strubbe
5,353,121	10/04/1994	Young et al.

5,479,266	12/26/1995	Young et al.
5,479,268	12/26/1995	Young et al.
5,524,195	06/04/1996	Clanton et al.
5,534,911	07/09/1996	Levitan
5,550,576	08/27/1996	Klosterman
5,659,366	08/19/1997	Kerman
5,664,046	09/02/1997	Abecassis
5,717,923	02/10/1998	Dedrick
5,721,827	02/24/1998	Logan et al.
5,737,029	04/07/1998	Ohkura et al.
5,793,438	08/11/1998	Bedard
5,801,747	09/01/1998	Bedard
5,867,799	02/02/1999	Lang et al.
5,940,073	08/17/1999	Klosterman et al.
5,945,988	08/31/1999	Williams et al.
5,973,683	10/26/1999	Cragun et al.
5,991,735	11/23/1999	Gerace
6,020,883	02/01/2000	Herz et al.
6,044,403	03/28/2000	Gerzsberg et al.
6,078,348	06/20/2000	Klosterman et al.
6,088,722	07/11/2000	Herz et al.

6,119,098	09/12/2000	Guyot et al.
6,128,009	10/03/2000	Ohkura et al.
6,133,909	10/17/2000	Schein et al.
6,151,059	11/21/2000	Schein et al.
6,247,176	06/12/2001	Schein et al.
6,286,140 B1	09/04/2001	Ivanyi
6,405,370 B1	06/11/2002	Jarrell
6,438,752 B1	08/20/2002	McClard

U.S. Patent Application	Date of Publication	Inventor
2001/0007147 A1	5 Jul. 2001	Goldschmidt Iki et al.
2002/0053084 A1	2 May 2002	Escobar et al.
2002/0056098 A1	9 May 2002	White
2002/0059094 A1	16 May 2002	Hosea et al.
2002/0059606 A1	16 May 2002	Kikinis et al.
2002/0077880 A1	20 Jun. 2002	Gordon et al.
2002/0083468 A1	27 Jun. 2002	Dudkiewicz
2002/0087979 A1	4 Jul. 2002	Dudkiewicz et al.
2002/0087987 A1	4 Jul. 2002	Dudkiewicz et al.
2002/0097265 A1	25 Jul. 2002	Kurapati et al.
2002/0100046 A1	25 Jul. 2002	Dudkiewicz

2002/0104081 A1	1 Aug. 2002	Candelore et al.
2002/0104087 A1	1 Aug. 2002	Schaffer et al.
2002/0116710 A1	22 Aug. 2002	Schaffer et al.
2002/0120943 A1	29 Aug. 2002	Seto et al.

Foreign Patent Publication	Date of Publication	Country
WO 90/00847	01/25/1990	PCT
WO 91/07050	05/16/1991	PCT
WO 92/04801	03/19/1992	PCT
WO 95/31069	11/16/1995	PCT
WO 98/08192	02/26/1998	PCT

### General Remarks

Application Ser. No. 09/242,871 is a currently pending application with inventorship partially in common with the captioned application, and which the captioned application incorporates by reference. All of the documents listed above were previously identified in and submitted with an information disclosure statement which was filed for Ser. No. 09/242,871 or identified by the examiner in connection with that application, and it is prudent to identify them in an information disclosure statement in the captioned application.

It is respectfully requested that each of the above-listed documents be given consideration by the Examiner and made of record in the captioned patent application.

Respectfully submitted,

L. Friedman

Reg. No. 37,135

21 January 2003 WELSH & KATZ, LTD. 120 South Riverside Plaza 22nd Floor Chicago, Illinois 60606 Phone: (312) 655-1500 Fax: (312) 655-1501

Form PTO-1449 (Rev. 8-88)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 7251/78746	Serial No. 09/515,118	
INFORMATION DISCLOSURE STATEMENT		Applicant Wachtfogel et al.		
(Use s	everal sheets if necessary)	Filing Date 24 February 2000	Group No. 2713	

#### **U.S. PATENT DOCUMENTS** Filing Date If Appropriate Examiner Name Class Subclass **Document Number** Date Initial\* 07/22/1986 Freeman 4,602,279 06/29/1993 Strubbe 5,223,924 Young et al. 10/04/1994 5,353,121 12/26/1995 Young et al. 5,479,266 12/26/1995 Young et al. 5,479,268 06/04/1996 Clanton et al. 5,524,195 07/09/1996 Levitan 5,534,911 Klosterman 5,550,576 08/27/1996 08/19/1997 Kerman 5,659,366 09/02/1997 Abecassis 5,664,046 Dedrick 5,717,923 02/10/1998 Logan et al. 02/24/1998 5,721,827 04/07/1998 Ohkura et al. 5,737,029 08/11/1998 Bedard 5,793,438 09/01/1998 Bedard 5,801,747 Lang et al. 5,867,799 02/02/1999 Klosterman et al. 08/17/1999 5,940,073 08/31/1999 Williams et al. 5,945,988 Cargun et al. 10/26/1999 5,973,683 **Date Considered** Examiner

\*Examiner:

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Form PTO-1449 U.S. Department of Com (Rev. 8-88) Patent and Trademark C			ark Office	7251/78746 Applicant	Attorney Docket No. 7251/78746 Applicant Wachtfogel et al.		Serial No. 09/515,118	
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		U.S. P	ATENT DOCUME	NTS				
Examiner Initial*	Document Number	Date	Na	ame	Class	Subclass	Filing Date If Appropriate	
	5,991,735	11/23/1999	Gerace					
	6,020,883	02/01/2000	Herz et al.					
	6,044,403	03/28/2000	Gerzsberg et	ai.				
	6,078,348	06/20/2000	Klosterman e	t al.		-		
	6,088,722	07/11/2000	Herz et al.	*				
	6,119,098	09/12/2000	Guyot et al.					
-	6,128,009	10/03/2000	Ohkura et al.					
	6,133,909	10/17/2000	Schein et al.		1			
	6,151,059	11/21/2000	Schein et al.	-				
	6,247,176	06/12/2001	Schein et al.		-			
	6,286,140 B1	09/04/2001	Ivanyi					
	6,405,370 B1	06/11/2002	Jarrell					
	6,438,752 B1	08/20/2002	McClard					
·								
Examiner			Date Conside	ered				
*Examiner:	Initial if citation consideration if not in confo	dered, whether or n	not citation is in cor nsidered. Include	nformance with copy of this form	MPEP 609; n with next	Draw line the communical	rough ion to	

Form PTO-1449 U.S. Department (Rev. 8-88) Patent and Trace		.S. Department of atent and Tradema	Commerce ark Office	Attorney Docket No. Serial No. 7251/78746 Serial No. 09/515,118				
INFORMATION DISCLOSURE STATEM			т	Applicant Wachtfogel et al.				
	(Use several sheets	s if necessary)		Filing Date 24 February 2	2000	Group No. 2713		
		U.S. PATENT AF	PPLICATION PU	BLICATIONS				
Examiner Initial*	Document Number	Date	Na	me	Class	Subc	lass	Filing Date If Appropriate
	2001/0007147 A1	5 Jul. 2001	Goldschmidt II	ki et al.				
	2002/0053084 A1	2 May 2002	Escobar et al.					
	2002/0056098 A1	9 May 2002	White					
	2002/0059094 A1	16 May 2002	Hosea et al.					
	2002/0059606 A1	16 May 2002	Kikinis et al.					
	2002/0077880 A1	20 Jun. 2002	Gordon et al.	-				
	2002/0083468 A1	27 Jun. 2002	Dudkiewicz					
	2002/0087979 A1	4 Jul. 2002	Dudkiewicz et	al.			<u>.                                      </u>	
	2002/0087987 A1	4 Jul. 2002	Dudkiewicz et	al.				
·	2002/0097265 A1	25 Jul. 2002	Kurapati et al.					
	2002/0100046 A1	25 Jul. 2002	Dudkiewicz					
	2002/0104081 A1	1 Aug. 2002	Candelore et	al.				
	2002/0104087 A1	1 Aug. 2002	Schaffer et al.					
	2002/0116710 A1	22 Aug. 2002	Schaffer et al.					
	2002/0120943 A1	29 Aug. 2002	Seto et al.		<u> </u>			
	OTHER DO	CUMENTS (Includi	ing Author, Title,	Date, Pertinent	Pages, E	itc.)		
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Form PTO-1449 (Rev. 8-88)	U PO DRMATION DISCLOS	.S. Department of atent and Trader	mark Office	Attorney Docket No. 7251/78746 Serial No. 09/515,118  Applicant					
INFC	(Use several sheets	if necessary)	Filing		ogel et al. ate uary 2000		Group No. 2713		
		FOREIG	N PATENT DOC	UMENTS					
	Document Number	Date	Co	ountry	Class	Subclass	Trans Yes	lation No	
	WO 90/00847	01/25/1990	PCT	<u> </u>					
	WO 91/07050	05/16/1991	PCT				1		
	WO 92/04801	03/19/1992	PCT						
	WO 95/31069	11/16/1995	РСТ						
	WO 98/08192	02/26/1998	PCT		-				
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Examiner			Date Considered						



U.S. Patent Application Applicant: Wachtfogel et al. Serial No.: 09/515,118, Filed 02/24/2000

Welsh & Katz Ref. No: 7251/78746 13 May 2003

Supplemental Information Disclosure Statement (2 pgs) with certificate of mailing; Form PTO-1449 (1 pg); copy of each listed document

Please acknowledge receipt of the above-identified documents by applying the Patent and Trademark Office receipt hereto and mailing this card.

Respectfully,

LF:smm

Welsh & Katz, Ltd.



Applicants:	Wachtfogel et al.	)
Serial No.:	09/515,118	)
Filed:	24 February 2000	) I hereby certify that this paper is being deposited with the United States Postal Service as
For:	ADVANCED TELEVISION SYSTEM	First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date:
Group No.:	2713	) Superne M. Mattingly
Examiner:	Not Yet Assigned	) Date: 13 May 2003

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir or Madam:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants submit a list of documents, general remarks, an attached Form PTO-1449, and an enclosed copy of each listed document.

U.S. Patent No.	. <u>I</u>	Date of Issue	Inventor
5,491,795	0	02/13/1996	Beaudet et al.
6,446,261	0	9/03/2002	Rosser

### General Remarks

Application Ser. No. 09/242,871 is a currently pending application with inventorship partially in common with the captioned application, and which the captioned application incorporates by reference. All of the documents listed above were recently identified by the examiner in connection with that application, and it is prudent to identify them in an information disclosure statement in the captioned application.

It is respectfully requested that each of the above-listed documents be given consideration by the Examiner and made of record in the captioned patent application.

Respectfully submitted,

L. Friedman

Reg. No. 37,135

13 May 2003 WELSH & KATZ, LTD. 120 South Riverside Plaza 22nd Floor Chicago, Illinois 60606 Phone: (312) 655-1500

Fax: (312) 655-1501

Form PTO-1449 U.S. Department of ( (Rev. 8-88) Patent and Tradema		Commerce ark Office		Attorney Docket No. Serial No. 7251/78746 Serial No. 09/515,118					
INFORMATION DISCLOSURE STATEMEN			τ	Applicant Wachtfogel	Wachtfogel et al.		Group No. 2713		
	(Use several sheets		Filing Date 24 February 2000						
		U.S. PA	TENT DOCUM	ENTS		•			
Examiner Initial*	Document Number	Date	N	ame	Class	Subcl	ass	Filing Date If Appropriate	
	5,491,795	Beaudet et a	et et al.						
	6,446,261	09/03/2002	Rosser						
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U.S. Patent Application

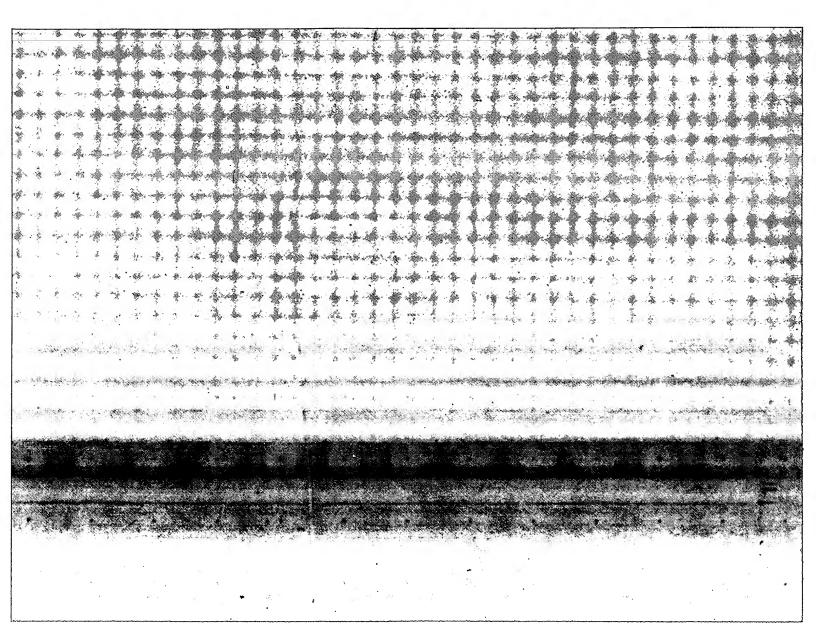
Welsh & Katz Ref. No: 7251/78746

Wachtfogel et al.
Serial No.: 09/515,118; Filed 24 Feb. 2000
Advanced Television System

9/8/2004

Transmittal Form with Certificate of Mailing (1 pg); Supplemental Information Disclosure Statement (2 pgs); Form PTO 1449 (1 pg); Copy of Listed Document; Certificate of Mailing





### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Wachtfogel et al.	) I hereby certify that this paper is being
Serial No.:	09/515,118	deposited with the United States Postal Service as U.S. First Class Mail in an envelope addressed to
Filed:	24 February 2000	) Commissioner for Patents, P.O. Box 1450 ) Alexandria, VA 22313-1450, on this date:
For:	ADVANCED TELEVISION SYSTEM	) Suzanne Mattingly ) Date: 8 September 2004
Examiner:	Hai V. Tran	)
Art Unit:	2611	). ).
		_)

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir or Madam:

In accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants submit a list of documents, general remarks, an attached Form PTO-1449, and copy of the document listed.

U.S. Patent No.	Date of Issue	Inventor
5,621,456	15 Apr. 1997	Florin et al.

The above-listed document was cited by the EPO in connection with prosecution of a corresponding foreign application. It is respectfully requested that the above-listed document be given consideration by the Examiner and made of record in the captioned patent application.

Respectfully submitted,

WELSH & KATZ, LTD.

Ву

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8 September 2004 WELSH & KATZ, LTD. 120 South Riverside Plaza 22nd Floor Chicago, Illinois 60606 Phone: (312) 655-1500

Fax: (312) 655-1501

Form PTO-144 (Rev. 8-88)	49 U P	.S. Department of atent and Tradem	f Commerce park Office	Attorney Doc 7251 Applicant	ket No. /78746	Seri	al No. 09/515,1	18	
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Initial*	Document Number	Date				Subclass	If Appr		
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Examiner		Da	ate Considered	•					
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